The State of New Hampshire
Department of Environmental Services

Michael P. Nolin
Commissioner

AGGREGATED PRECIPITATION DATA for N.H. DROUGHT MANAGEMENT AREAS

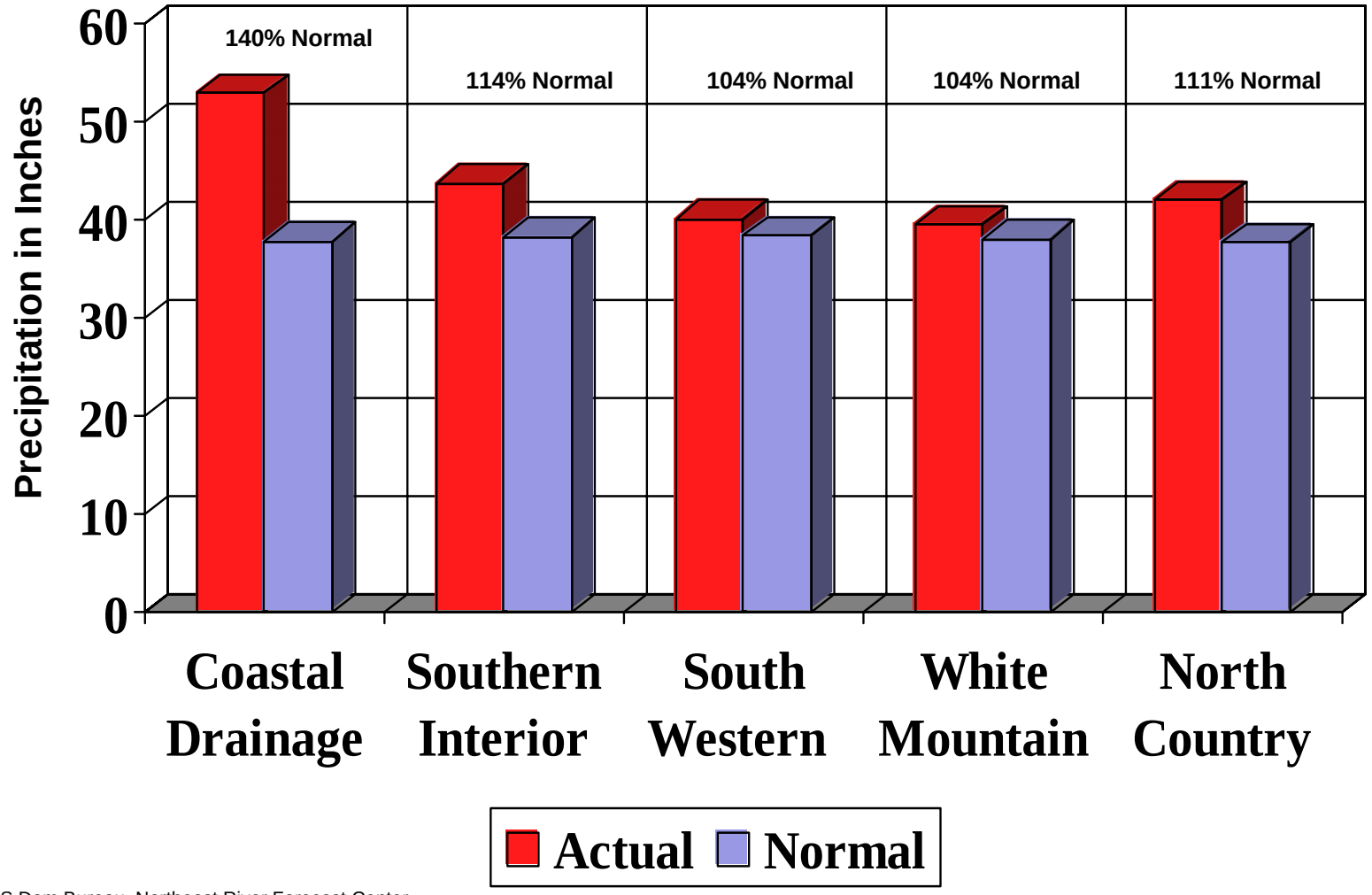
	Actual Rainfall (inches)	Normal Rainfall (inches)	Deviation from Normal (inches)	Percent of Normal
Coastal Drainage: Rockingham, Strafford counties				
four month	13.65	10.36	3.29	132%
six month	19.70	18.06	1.64	109%
nine month	35.84	27.94	7.90	128%
twelve month	52.95	37.78	15.17	140%
Southern Interior: Belknap, Hillsborough, Merrimack counties				
four month	11.20	10.48	0.72	107%
six month	15.84	18.00	-2.16	88%
nine month	29.13	28.25	0.88	103%
twelve month	43.71	38.27	5.45	114%
South Western: Cheshire, Sullivan counties				
four month	10.41	10.36	0.05	100%
six month	14.58	17.62	-3.05	83%
nine month	28.47	28.06	0.41	101%
twelve month	40.11	38.38	1.73	104%
White Mountain: Carroll, Grafton counties				
four month	9.38	9.68	-0.31	97%
six month	14.43	17.02	-2.60	85%
nine month	27.66	27.80	-0.15	99%
twelve month	39.52	38.06	1.46	104%
North Country: Coos county				
four month	10.78	8.92	1.86	121%
six month	17.00	15.88	1.12	107%
nine month	31.33	27.24	4.09	115%
twelve month	42.03	37.76	4.27	111%

four month period : December 2004 - March 2005
six month period : October 2004 - March 2005
nine month period : July 2004 - March 2005
twelve month period: April 2004 - March 2005

Source: Northeast River Forecast Center, NH Des Dam Bureau

P.O. Box 95, 29 Hazen Drive, Concord, New Hampshire 03302-0095
Telephone: (603) 271-3503 • Fax: (603) 271-7894 • TDD Access: Relay NH 1-800-735-2964
DES Web site: www.des.nh.gov

TWELVE MONTH AGGREGATED PRECIPITATION DATA for N.H. DROUGHT MANAGEMENT AREAS from April 2004 through March 2005



NH DES Dam Bureau, Northeast River Forecast Center

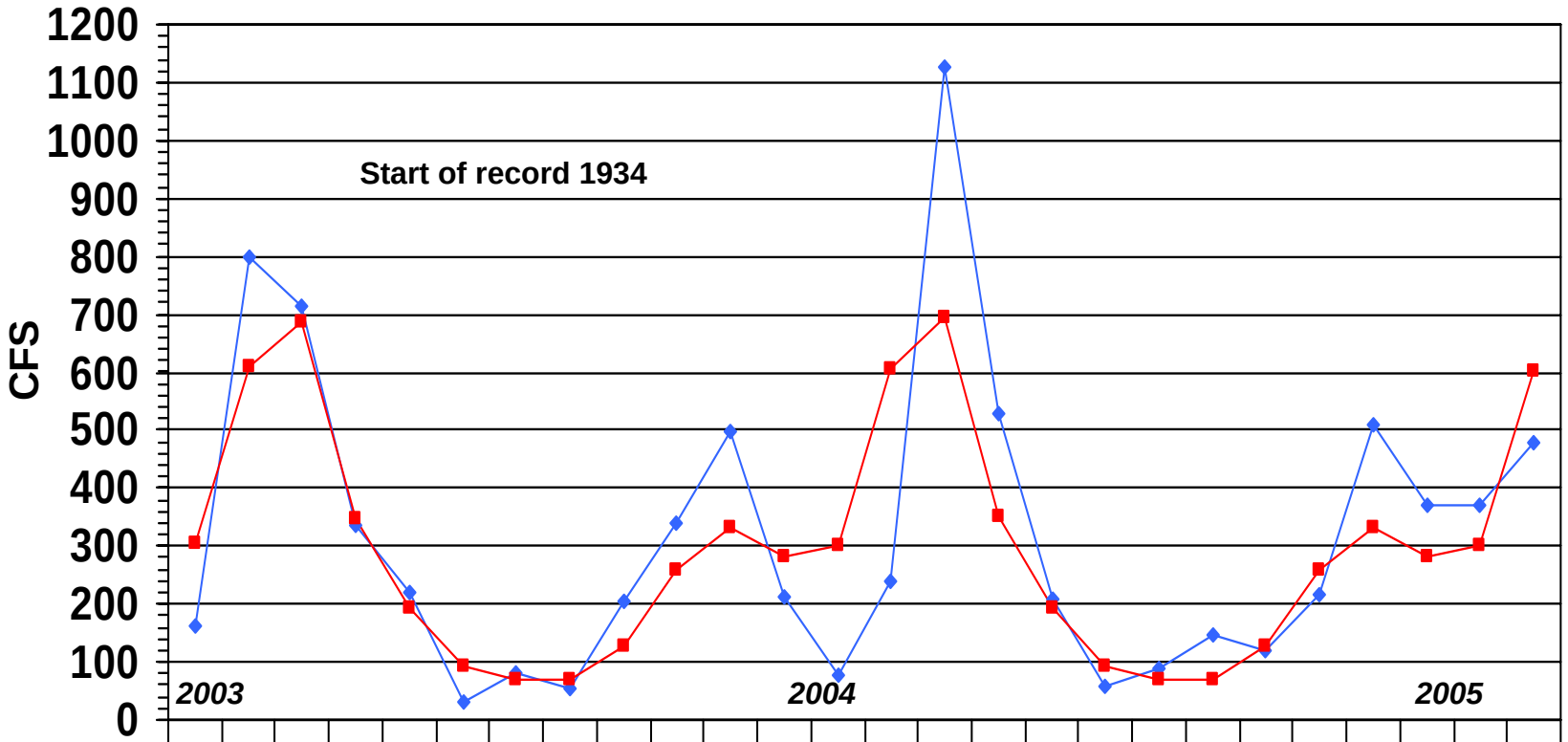
MONTHLY PRECIPITATION DATA FOR N.H COUNTIES

		2004 APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	2005 JAN	FEB	MARCH
Coastal drainage													
STRAFFORD	actual	8.23	6.68	2.58	4.85	6.57	5.09	2.05	4.32	4.15	3.89	1.00	4.72
	normal	3.40	3.28	3.04	3.12	3.28	3.32	3.48	4.12	3.76	3.12	0.00	3.20
	deviation	4.83	3.40	-0.46	1.73	3.29	1.77	-1.43	0.20	0.39	0.77	1.00	1.52
ROCKINGHAM	actual	8.44	5.36	2.94	3.90	6.37	5.49	2.16	3.58	4.05	3.86	1.00	4.62
	normal	3.44	3.40	3.12	3.20	3.44	3.40	3.56	4.24	3.92	3.32	0.00	3.40
	deviation	5.00	1.96	-0.18	0.70	2.93	2.09	-1.40	-0.66	0.13	0.54	1.00	1.22
Average	actual	8.34	6.02	2.76	4.38	6.47	5.29	2.11	3.95	4.10	3.88	1.00	4.67
	normal	3.42	3.34	3.08	3.16	3.36	3.36	3.52	4.18	3.84	3.22	0.00	3.30
	deviation	4.92	2.68	-0.32	1.22	3.11	1.93	-1.42	-0.23	0.26	0.66	1.00	1.37
Southern Interior													
HILLSBOROUGH	actual	8.25	4.27	2.34	3.53	4.09	5.53	1.75	3.13	4.00	3.16	1.00	4.11
	normal	3.56	3.52	3.36	3.32	3.68	3.60	3.72	4.32	4.16	3.60	0.00	3.88
	deviation	4.69	0.75	-1.02	0.21	0.41	1.93	-1.97	-1.19	-0.16	-0.44	1.00	0.23
MERRIMACK	actual	7.36	5.71	2.53	4.37	4.48	5.20	1.83	2.97	4.06	3.10	1.00	3.72
	normal	3.36	3.36	3.20	3.28	3.44	3.36	3.44	4.00	3.92	3.16	0.00	3.40
	deviation	4.00	2.35	-0.67	1.09	1.04	1.84	-1.61	-1.03	0.14	-0.06	1.00	0.32
BELKNAP	actual	5.80	5.29	2.19	4.12	4.77	3.78	1.43	2.81	3.48	2.45	1.00	2.53
	normal	3.24	3.28	3.16	3.44	3.28	3.36	3.28	3.80	3.48	2.92	0.00	2.92
	deviation	2.56	2.01	-0.97	0.68	1.49	0.42	-1.85	-0.99	0.00	-0.47	1.00	-0.39
Average	actual	7.14	5.09	2.35	4.01	4.45	4.84	1.67	2.97	3.85	2.90	1.00	3.45
	normal	3.39	3.39	3.24	3.35	3.47	3.44	3.48	4.04	3.85	3.23	0.00	3.40
	deviation	3.75	1.70	-0.89	0.66	0.98	1.40	-1.81	-1.07	-0.01	-0.32	1.00	0.05
South Western													
CHESHIRE	actual	4.92	4.87	1.89	4.51	5.55	4.21	1.12	2.41	3.60	2.10	1.00	3.98
	normal	3.40	3.44	3.44	3.28	3.68	3.52	3.36	3.84	3.76	3.28	0.00	3.48
	deviation	1.52	1.43	-1.55	1.23	1.87	0.69	-2.24	-1.43	-0.16	-1.18	1.00	0.50
SULLIVAN	actual	4.79	4.56	2.24	4.28	4.37	4.87	1.67	3.13	3.55	2.53	1.00	3.06
	normal	3.44	3.56	3.36	3.32	3.64	3.44	3.48	3.84	3.72	3.12	0.00	3.36
	deviation	1.35	1.00	-1.12	0.96	0.73	1.43	-1.81	-0.71	-0.17	-0.59	1.00	-0.30
Average	actual	4.86	4.72	2.07	4.40	4.96	4.54	1.40	2.77	3.58	2.32	1.00	3.52
	normal	3.42	3.50	3.40	3.30	3.66	3.48	3.42	3.84	3.74	3.20	0.00	3.42
	deviation	1.44	1.22	-1.34	1.10	1.30	1.06	-2.03	-1.07	-0.17	-0.89	1.00	0.10
White Mountain													
GRAFTON	actual	3.64	5.31	2.32	4.34	5.79	2.90	1.44	3.23	3.37	2.37	1.00	2.53
	normal	3.24	3.56	3.48	3.84	3.64	3.48	3.48	3.76	3.64	2.92	0.00	3.04
	deviation	0.40	1.75	-1.16	0.50	2.15	-0.58	-2.04	-0.53	-0.27	-0.55	1.00	-0.51
CARROLL	actual	5.21	5.22	2.03	4.49	5.23	3.71	1.62	3.81	4.00	2.35	1.00	2.13
	normal	3.32	3.48	3.44	3.68	3.48	3.44	3.52	3.92	3.68	3.00	0.00	3.08
	deviation	1.89	1.74	-1.41	0.81	1.75	0.27	-1.90	-0.11	0.32	-0.65	1.00	-0.95
Average	actual	4.43	5.27	2.18	4.42	5.51	3.31	1.53	3.52	3.69	2.36	1.00	2.33
	normal	3.28	3.52	3.46	3.76	3.56	3.46	3.50	3.84	3.66	2.96	0.00	3.06
	deviation	1.15	1.75	-1.29	0.66	1.95	-0.16	-1.97	-0.32	0.03	-0.60	1.00	-0.73
North Country													
COOS	actual	3.20	4.80	2.70	4.89	6.56	2.88	1.97	4.25	4.03	2.61	1.00	3.14
	normal	3.04	3.32	4.16	3.96	4.00	3.40	3.48	3.48	3.44	2.72	0.00	2.76
	deviation	0.16	1.48	-1.46	0.93	2.56	-0.52	-1.51	0.77	0.59	-0.11	1.00	0.38

Source: Northeast River Forecast Center, NH DES Dam Bureau

LAMPREY RIVER near NEWMARKET NH
Gage# 01073500

MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS

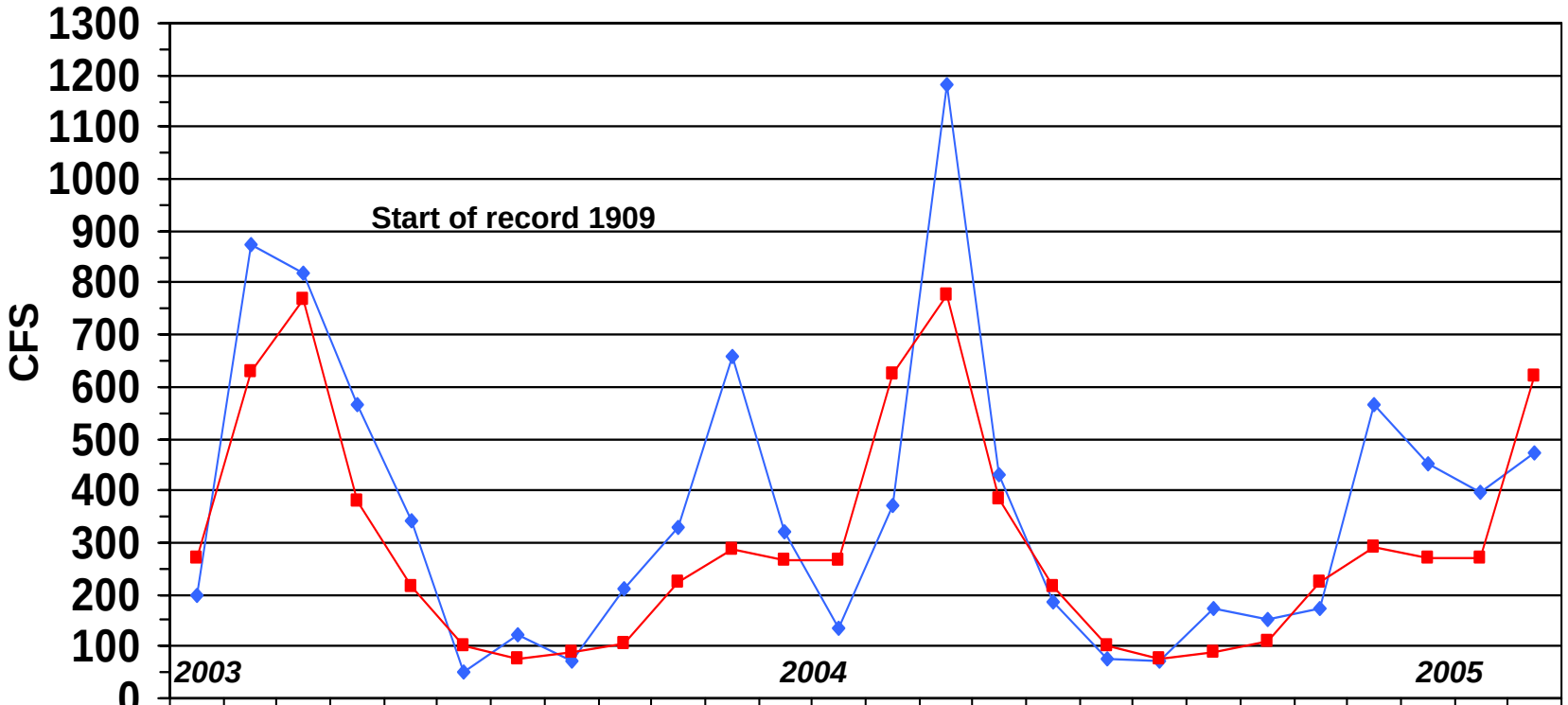


	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar
Monthly Mean Flow	161	799	712	337	220	32	80	53	206	338	498	212	79	241	1125	529	207	56	89	145	119	217	511	370	369	477
Mean of Monthly Flows	303	610	687	348	192	92	70	70	128	260	330	281	300	605	694	351	192	91	71	71	128	259	333	282	301	603
% of Normal	53%	131	104	97%	115	35%	114	76%	161	130	151	75%	26%	40%	162	151	108	62%	125	204	93%	84%	153	131	123	79%

NH DES, Dam Bureau, Source: USGS (Ice: 01/03,12/04)

SOUHEGAN RIVER at MERRIMACK NH
Gage# 01094000

MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS

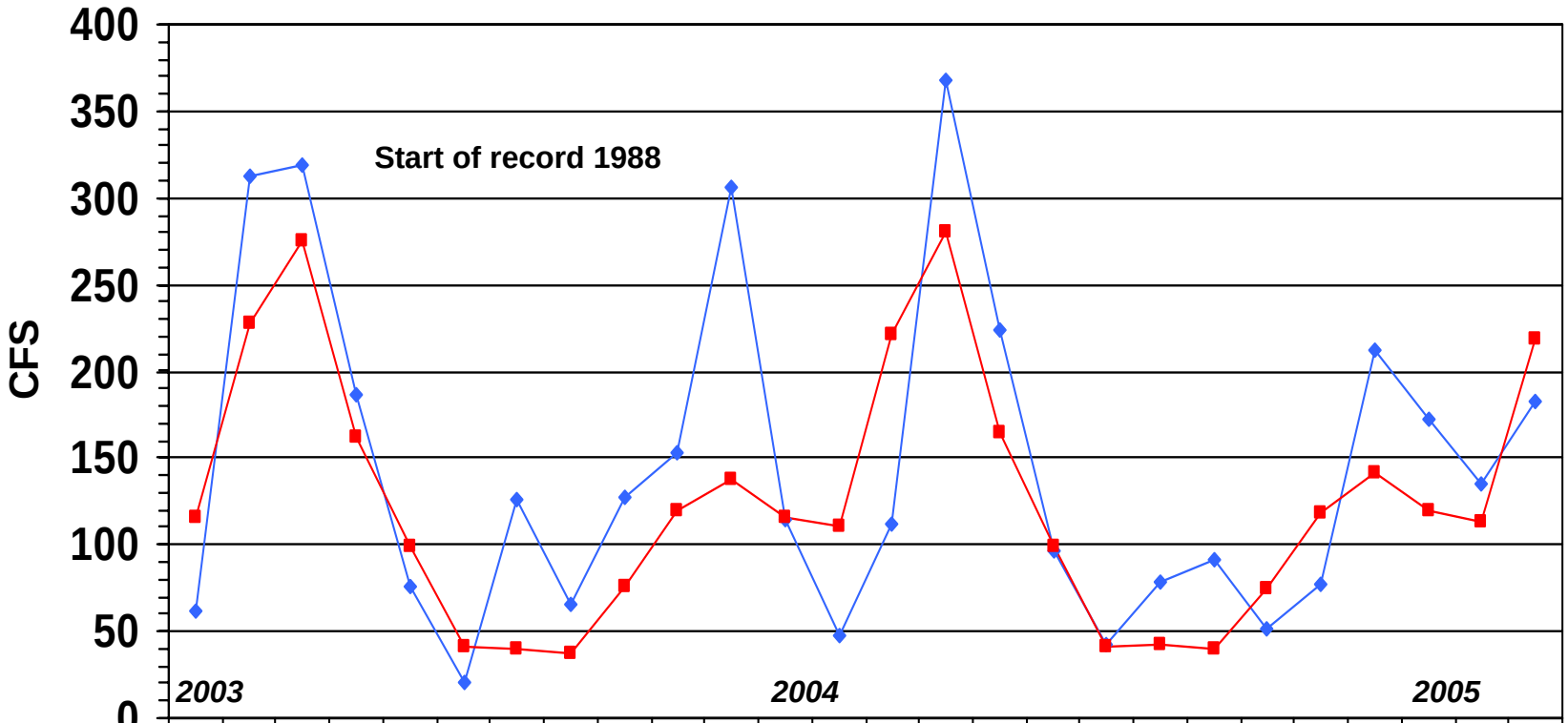


	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar
Monthly Mean Flow	197	873	817	564	342	52	123	71	209	330	657	319	137	371	1181	430	184	76	71	173	151	171	565	450	395	474
Mean of Monthly Flows	270	627	770	381	215	101	78	88	107	225	288	268	268	624	776	382	214	100	78	89	108	224	292	270	270	622
% of Normal	73%	139	106	148	159	51%	158	81%	195	147	228	119	51%	59%	152	112	81%	65%	79%	194	143	76%	193	167	146	76%

NH DES, Dam Bureau, Source: USGS (ice-01/03,02/03,03/03,01/04,02/04)

SOUCOOK RIVER at PEMBROKE ROAD near CONCORD NH, Gage# 01089100

MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS

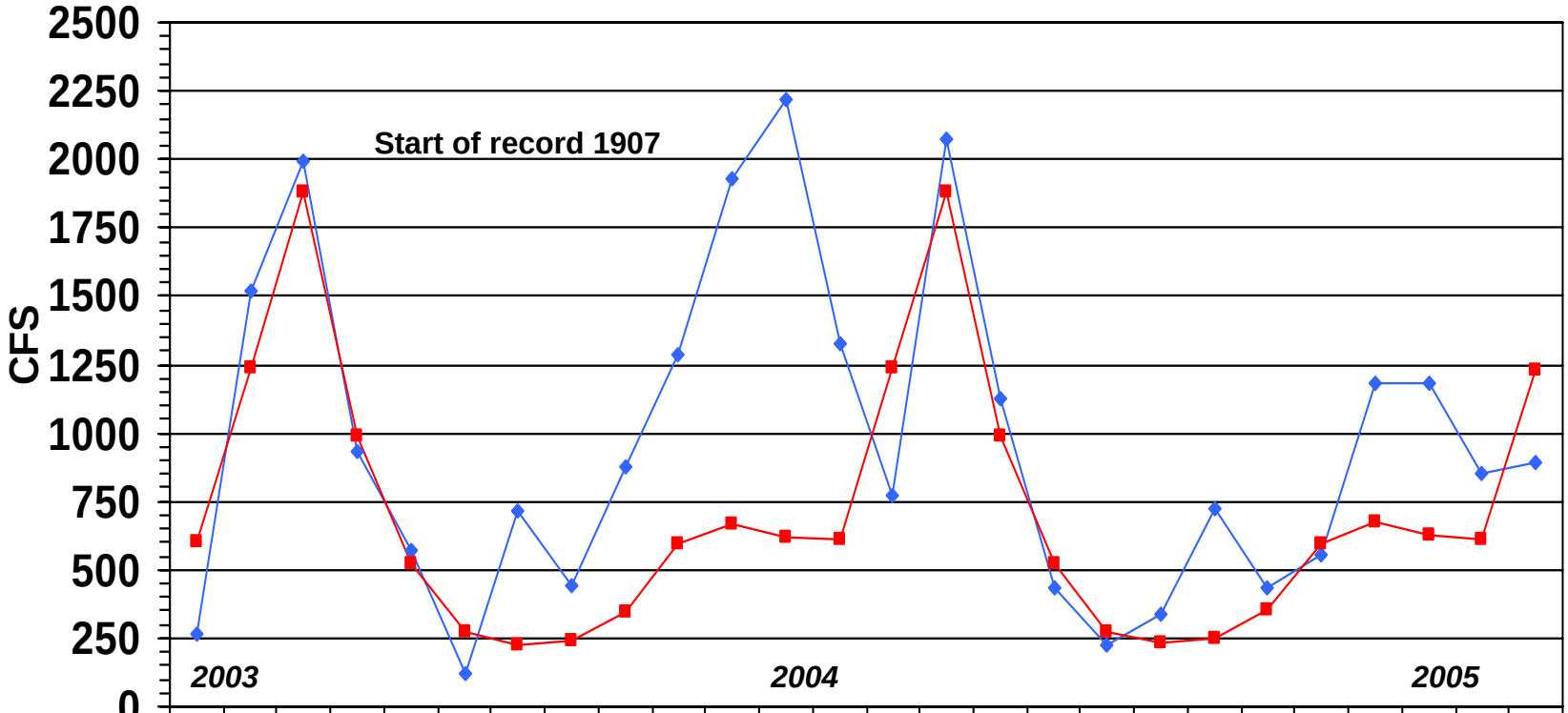


	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar
Monthly Mean Flow	62	313	319	186	76	20	126	66	127	153	306	115	47	112	368	224	97	42	79	91	52	77	212	172	135	183
Mean of Monthly Flows	116	228	275	162	99	41	40	37	76	120	138	116	111	221	281	165	99	41	42	40	75	118	142	120	113	219
% of Normal	53%	137	116	115	77%	49%	315	178	166	128	222	99%	42%	51%	133	136	98%	102	188	228	69%	65%	149	143	119	84%

NH DES, Dam Bureau, Source: USGS (ice: 01/03, 02/03, 03/03, 01/04, 02/04, 03/04).

ASHUELOT RIVER at HINSDALE NH
Gage# 01161000

MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS

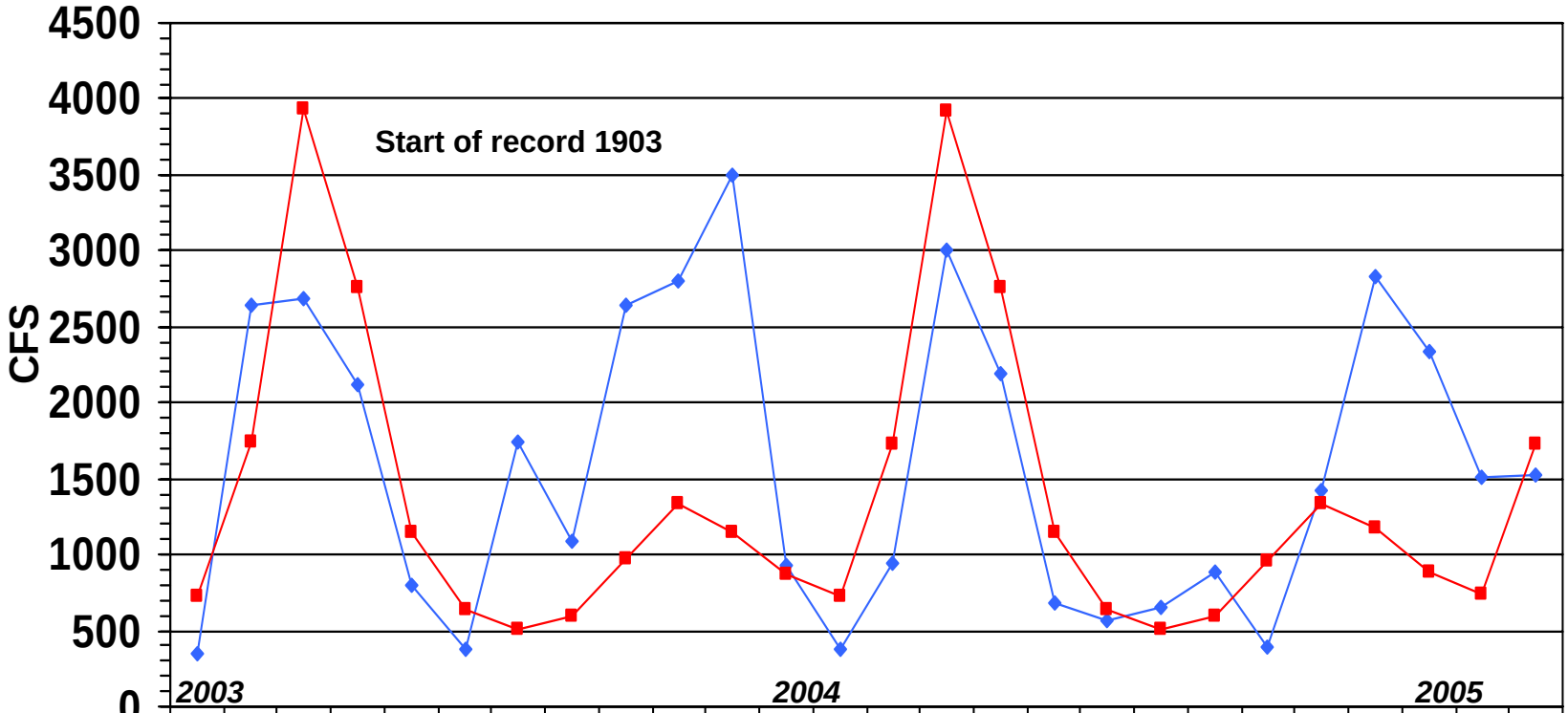


	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar
Monthly Mean Flow	268	1518	1990	934	570	118	712	443	878	1290	1932	2220	1324	769	2072	1122	437	224	334	721	434	554	1185	1182	850	890
Mean of Monthly Flows	600	1241	1880	989	524	274	229	244	349	594	670	618	608	1236	1882	991	523	274	230	249	350	593	675	624	610	1232
% of Normal	45%	122	106	94%	109	43%	311	182	252	217	288	359	218	62%	110	113	84%	82%	145	290	117	80%	170	184	139	72%

NH DES, Dam Bureau, Source: USGS (ice: 01/03,02/03,03/03,01/04,02/04,03/04)

PEMIGEWASSET RIVER at PLYMOUTH NH
Gage# 01076500

MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS



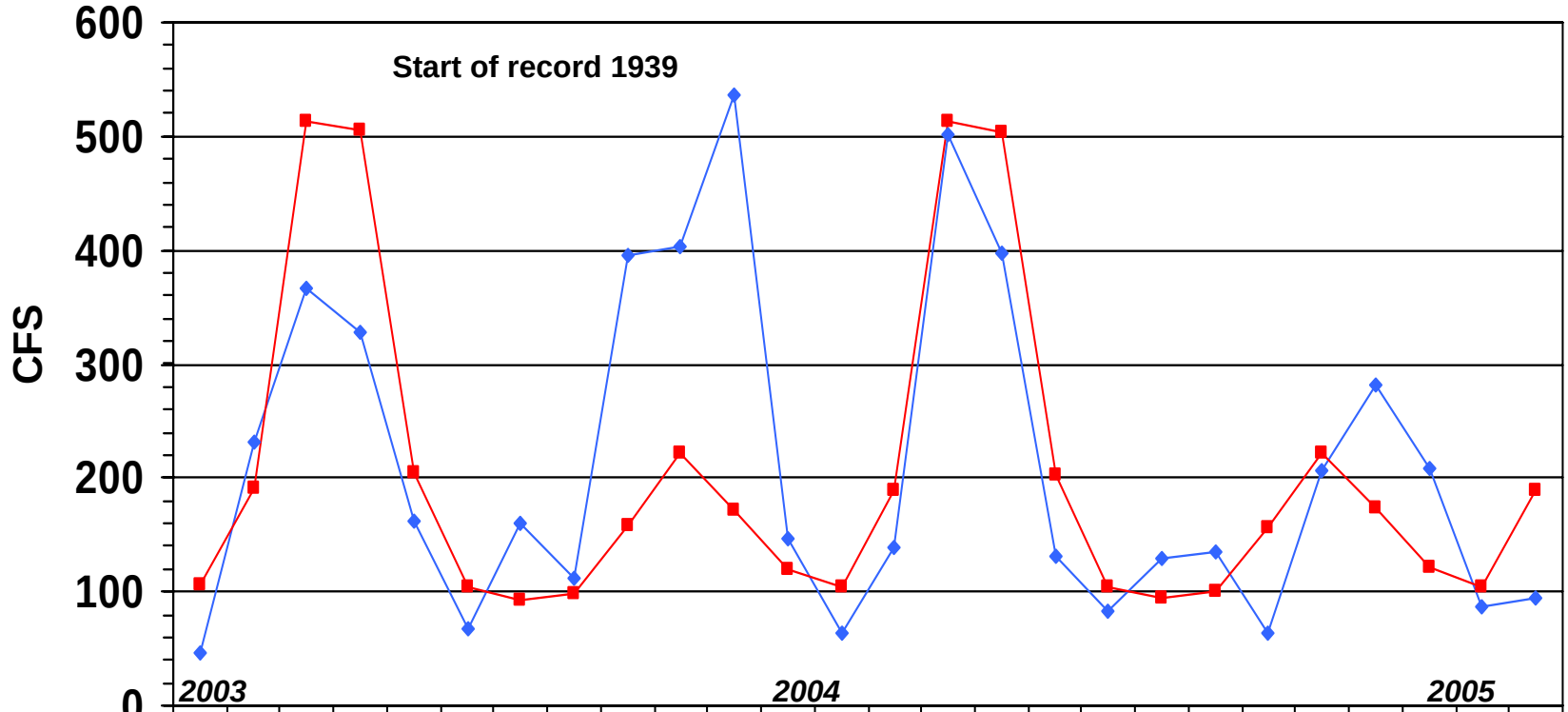
	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar
Monthly Mean Flow	348	2641	2683	2116	799	380	1737	1083	2644	2800	3495	936	380	949	3009	2191	681	563	654	890	393	1416	2834	2336	1506	1529
Mean of Monthly Flows	730	1736	3933	2762	1152	635	513	595	970	1342	1152	869	726	1728	3924	2756	1147	634	515	598	964	1342	1169	883	734	1726
% of Normal	48%	152	68%	77%	69%	60%	339	182	271	209	303	108	52%	55%	77%	79%	59%	89%	127	149	41%	106	242	265	205	89%

NH DES, Dam Bureau, Source: USGS (ice: 01/03,02/03,03/03,12/03,01/04,02/04,03/04,12/04)

AMMONOOSUC RIVER at BETHLEHEM JUNCTION NH
Gage# 01137500

MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS

This station replaces gage# 01137000 which was discontinued by DES at the end of Sept 2004



	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar
Monthly Mean Flow	47	232	366	328	163	68	160	112	395	403	537	146	64	138	501	397	131	82	130	135	64	207	282	208	86	95
Mean of Monthly Flows	106	191	513	505	204	105	93	99	158	221	172	120	105	190	513	503	203	105	94	100	157	221	174	121	105	189
% of Normal	44%	121	71%	65%	80%	65%	172	113	250	182	312	122	61%	73%	98%	79%	65%	78%	138	135	41%	94%	162	172	82%	50%

NH DES, Dam Bureau, Source: USGS(ice:01/04,02/04,03/04,12/04)

STREAMFLOW DATA FOR SELECTED NH STATIONS AS OF APRIL 13, 2005

Station number	Station name	Est. Mean Flow (cfs)	Long Term Median Flow	99% Flow (cfs)	7Q10 Flow (cfs)	Lowest Period of Record Daily Flow (cfs)	% of Median	Below 0.99 Flow?	Below 7Q10 Flow?	Below Record Flow?
Androscoggin River Basin										
01052500	Diamond River near Wentworth Location, NH	661	515	22	16	6.8	128%	FALSE	FALSE	FALSE
01053500	Androscoggin River at Errol, NH	3,110	1,565	500	451	0	199%	FALSE	FALSE	FALSE
01054000	Androscoggin River near Gorham, NH	4,240	2,760	1300	1310	795	154%	FALSE	FALSE	FALSE
Saco River Basin										
01064500	Saco River near Conway, NH	2,140	1,705	105	97	66	126%	FALSE	FALSE	FALSE
01064801	BEARCAMP RIVER AT SOUTH TAMWORTH, NH	277	292	6	4.8	4.5	95%	FALSE	FALSE	FALSE
Piscataqua River Basin										
01072100	SALMON FALLS RIVER AT MILTON, NH	481	392	27	24	16	123%	FALSE	FALSE	FALSE
01073500	LAMPREY RIVER NEAR NEWMARKET, NH	397	548	7	5	--	72%	FALSE	FALSE	
Merrimack River Basin										
01074520	EAST BRANCH PEMIGEWASSET RIVER AT LINCOLN, NH	403	424	55	49	46	95%	FALSE	FALSE	FALSE
01075000	PEMIGEWASSET RIVER AT WOODSTOCK, NH	738	733	65	56	--	101%	FALSE	FALSE	
01076000	BAKER RIVER NEAR RUMNEY, NH	697	688	18	15	--	101%	FALSE	FALSE	
01076500	PEMIGEWASSET RIVER AT PLYMOUTH, NH	2,780	2,800	130	118	45	99%	FALSE	FALSE	FALSE
01078000	SMITH RIVER NEAR BRISTOL, NH	333	386	7	6.2	2.7	86%	FALSE	FALSE	FALSE
01081000	WINNIPESAUKEE RIVER AT TILTON, NH	1,070	1,085	143	136	48	99%	FALSE	FALSE	FALSE
01081500	MERRIMACK RIVER AT FRANKLIN JUNCTION, NH	5,910	5,480	520*	551	--	108%		FALSE	
01082000	CONTOOCOOK RIVER AT PETERBOROUGH, NH	210	293	5.5	6.3	--	72%	FALSE	FALSE	
01085000	CONTOOCOOK RIVER NEAR HENNIKER, NH	1,710	1,595	40	37	--	107%	FALSE	FALSE	
01085500	CONTOOCOOK R BL HOPKINTON DAM AT W HOPKINTON, NH	3,070	1,750	35	39	--	175%	FALSE	FALSE	
01086000	WARNER RIVER AT DAVISVILLE, NH	599	676	6	5.3	--	89%	FALSE	FALSE	
01087000	BLACKWATER RIVER NEAR WEBSTER, NH	1,040	545	15.5	13.7	--	191%	FALSE	FALSE	
01090800	PISCATAQUOG RIVER BL EVERETT DAM, NR E WEARE, NH	923	280	1.7	1.2	--	330%	FALSE	FALSE	
01091500	PISCATAQUOG RIVER NEAR GOFFSTOWN, NH	1,330	808	8	8.8	--	165%	FALSE	FALSE	
01092000	MERRIMACK R NR GOFFS FALLS, BELOW MANCHESTER, NH	16,200	11,950	560*	644	98*	136%		FALSE	
01094000	SOUHEGAN RIVER AT MERRIMACK, NH	604	733	15	12.9	--	82%	FALSE	FALSE	
Connecticut River Basin										
01129200	CONNECTICUT R BELOW INDIAN STREAM NR PITTSBURG, NH	514	361		42	30	142%	FALSE	FALSE	FALSE
01129500	CONNECTICUT RIVER AT NORTH STRATFORD, NH	2,810	2,530		176	108	111%	FALSE	FALSE	FALSE
01131500	CONNECTICUT RIVER NEAR DALTON, NH	5,930	5,165		389	115	115%	FALSE	FALSE	FALSE
01137500	AMMONOOSUC RIVER AT BETHLEHEM JUNCTION, NH	249	283		28	21	88%	FALSE	FALSE	FALSE
01138500	CONNECTICUT RIVER AT WELLS RIVER, VT	12,000	8,880		690	152*	135%		FALSE	
01144500	CONNECTICUT RIVER AT WEST LEBANON, NH	17,900	15,300	380*	902	82*	117%		FALSE	
01152500	SUGAR RIVER AT WEST CLAREMONT, NH	1,210	1,080	40	38	14	112%	FALSE	FALSE	FALSE
01154500	CONNECTICUT RIVER AT NORTH WALPOLE, NH	25,200	21,400	260*	1058	115*	118%		FALSE	
01158000	ASHUELOT RIVER BELOW SURRY MT DAM, NEAR KEENE, NH	985	501	4.5	2.7	0.4	197%	FALSE	FALSE	FALSE
01158600	OTTER BROOK BELOW OTTER BROOK DAM, NEAR KEENE, NH	547	200	1.6	1.1	0.3	274%	FALSE	FALSE	FALSE
01160350	ASHUELOT RIVER AT WEST SWANZEY, NH	1,960	1,350	32	--	--	145%	FALSE		

*Flow duration and record low mean daily flow significantly affected by reservoir operations

**Estimated

Source: USGS, NH DES

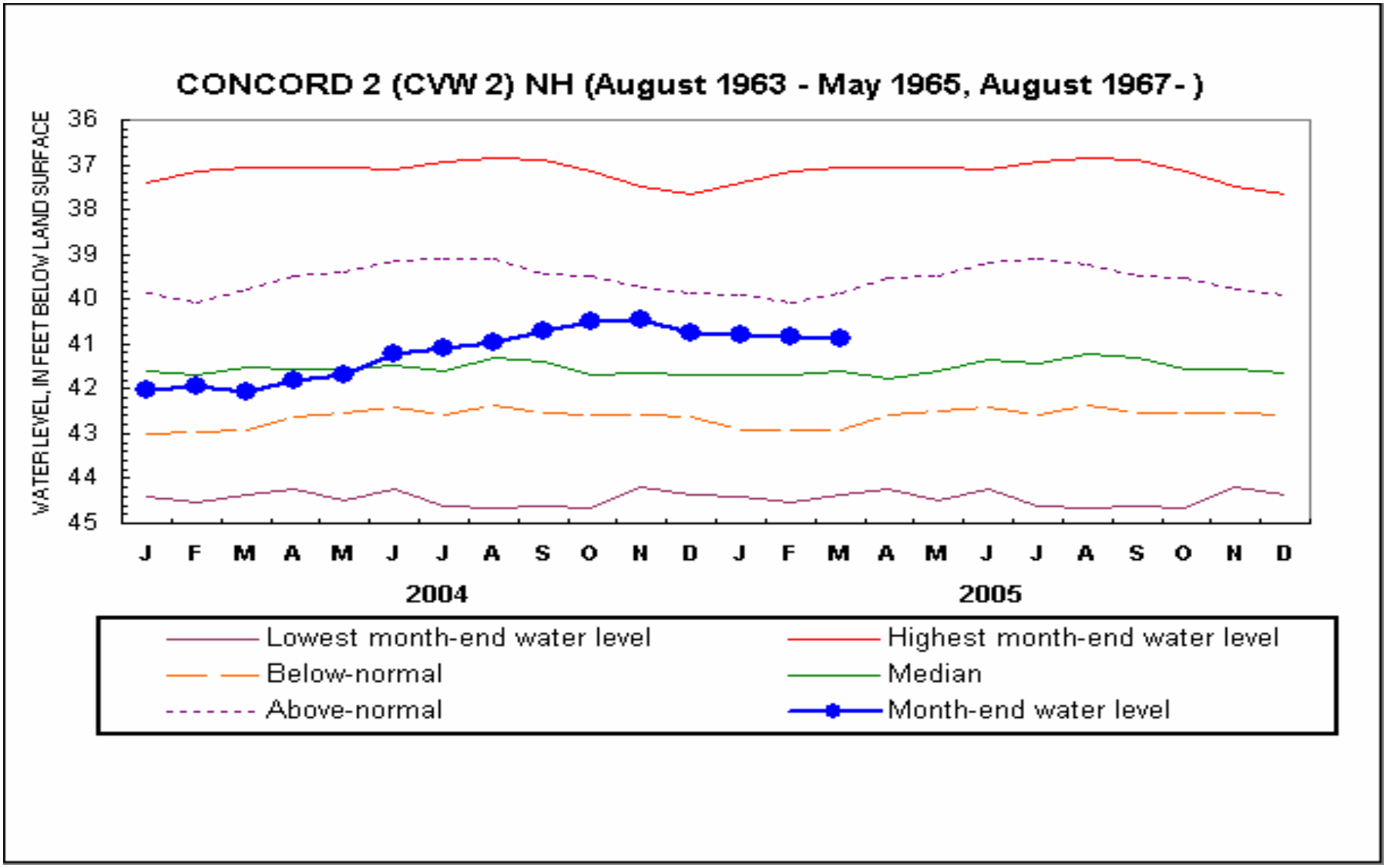
SUMMARY

	Below 0.99 Flow?	Below 7Q10 Flow?	Below Record Flow?
FALSE =	29	33	17
TRUE =	0	0	0

New Hampshire Groundwater Levels for March 2005

WELL	START OF RECORD	WATER LEVEL BELOW SURFACE DATUM (ft)	NET CHANGE IN ONE MONTH (ft)	NET CHANGE IN ONE YEAR (ft)	MEDIAN	RANGE (ft)	DEPARTURE FROM MONTHLY MEDIAN (FT)	PERCENT OF RANGE	STATUS
ALBANY 14	1995	7.11	-0.24	+0.13	6.21	1.34	-0.90	-67.2	BELOW NORMAL
ALBANY 15	1995	9.12	-0.29	+0.10	8.25	1.03	-0.87	-84.5	BELOW NORMAL
BARNSTEAD 10	1995	1.61	+1.02	+1.26	2.44	0.75	+0.83	110.7	ABOVE NORMAL
CAMPTON 34	1988	12.38	+0.69	+0.78	12.15	1.09	-0.23	-21.1	NORMAL
COLEBROOK 73	1995	7.80	-0.22	+0.09	7.16	0.73	-0.64	-87.7	BELOW NORMAL
CONCORD 2	1963	40.88	-0.03	+1.21	41.61	4.56	+0.73	16.0	NORMAL
CONCORD 4	1966	17.76	-0.45	-0.07	17.45	2.09	-0.31	-14.8	NORMAL
DEERFIELD 46	1984	38.52	+0.12	+0.12	38.53	0.62	+0.01	1.6	NORMAL
ENFIELD 30	1990	7.06	+0.61	-2.27	4.79	2.99	-2.27	-75.9	BELOW NORMAL
ERROL 1	1966	14.10	+0.0	+0.0	13.1	1.4	-1.0	-69.0	BELOW NORMAL
FRANKLIN 1	1966	13.17	+0.02	-1.44	12.46	3.92	-0.71	-18.1	NORMAL
GREENFIELD 75	1995	62.24	+0.11	+0.17	62.54	3.24	+0.30	9.3	NORMAL
HOOKSETT 5	1965	47.88	+0.15	+1.40	47.08	2.71	-0.80	-29.5	NORMAL
KEENE 2	1963	2.70	+0.71	+0.26	1.62	2.51	-1.08	-43.0	BELOW NORMAL
LANCASTER 1	1966	----	----	----	0.70	----	----	----	----
LEE 1	1953	29.54	-0.52	+2.06	30.64	2.98	+1.10	36.9	ABOVE NORMAL
LISBON 19	1990	12.80	+0.02	+1.22	13.20	3.80	+0.40	10.5	NORMAL
NASHUA 218	1964	27.16	-0.27	+0.90	27.80	1.40	+0.64	45.7	ABOVE NORMAL
NEW DURHAM 53	1986	18.54	+0.40	+0.66	18.67	0.73	+0.13	17.8	NORMAL
NEW LONDON 1	1947	6.54	+1.96	+0.82	5.53	7.13	-1.01	-14.2	NORMAL
NEWPORT 3	1995	4.98	+0.82	+0.86	4.77	1.27	-0.21	-16.5	NORMAL
NEWPORT 6	1995	3.70	+2.15	+2.22	4.72	1.29	+1.02	79.1	ABOVE NORMAL
OSSIPEE 38	1995	36.08	-0.09	----	35.39	1.35	-0.69	-51.1	NORMAL
SHELBURNE 2	1995	4.77	+0.28	-0.17	4.50	0.50	-0.27	-54.0	BELOW NORMAL
WARNER 1	1965	30.11	+0.08	-0.20	30.45	1.92	+0.34	17.7	NORMAL

Source: USGS, NH DES



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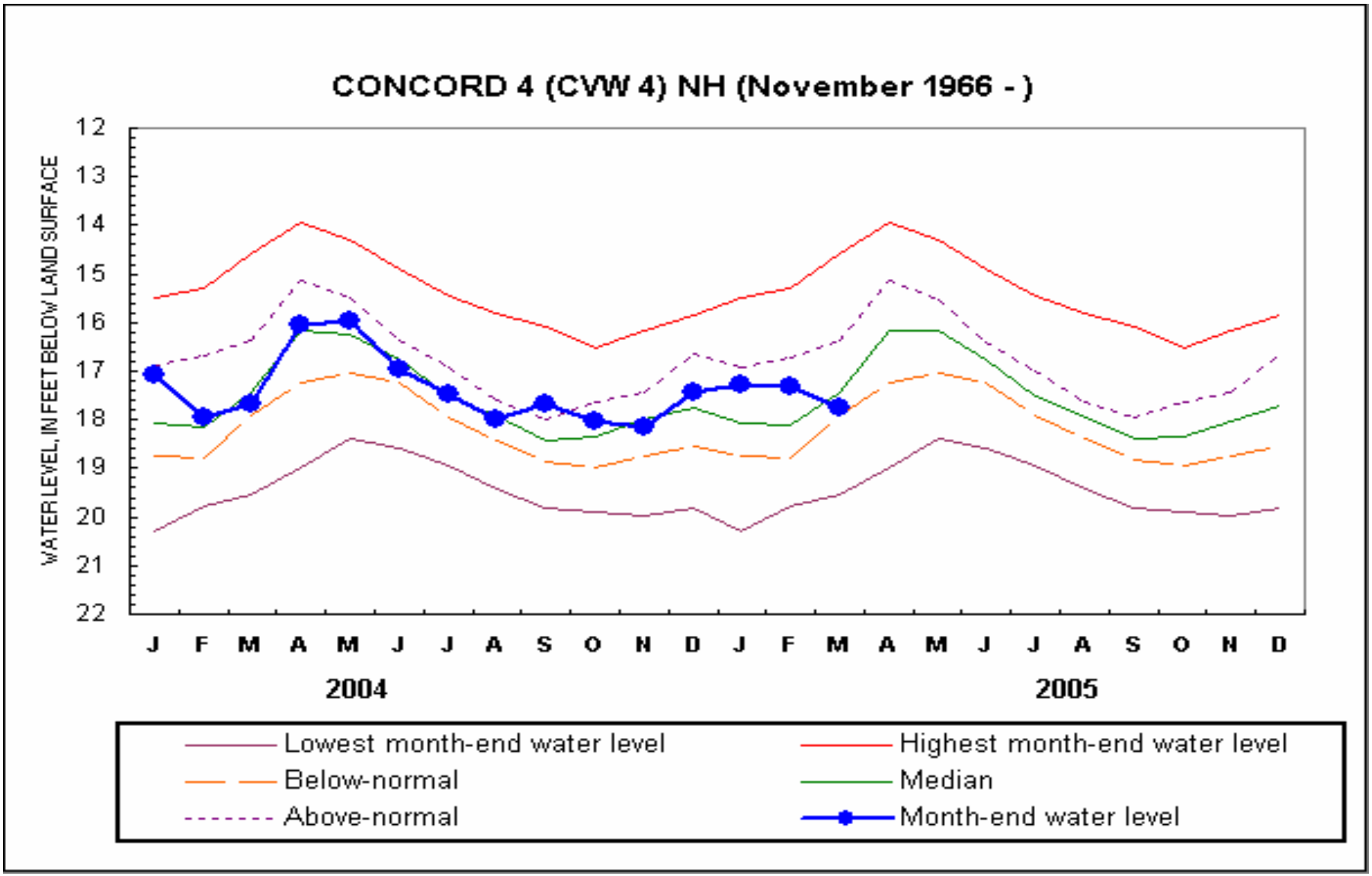

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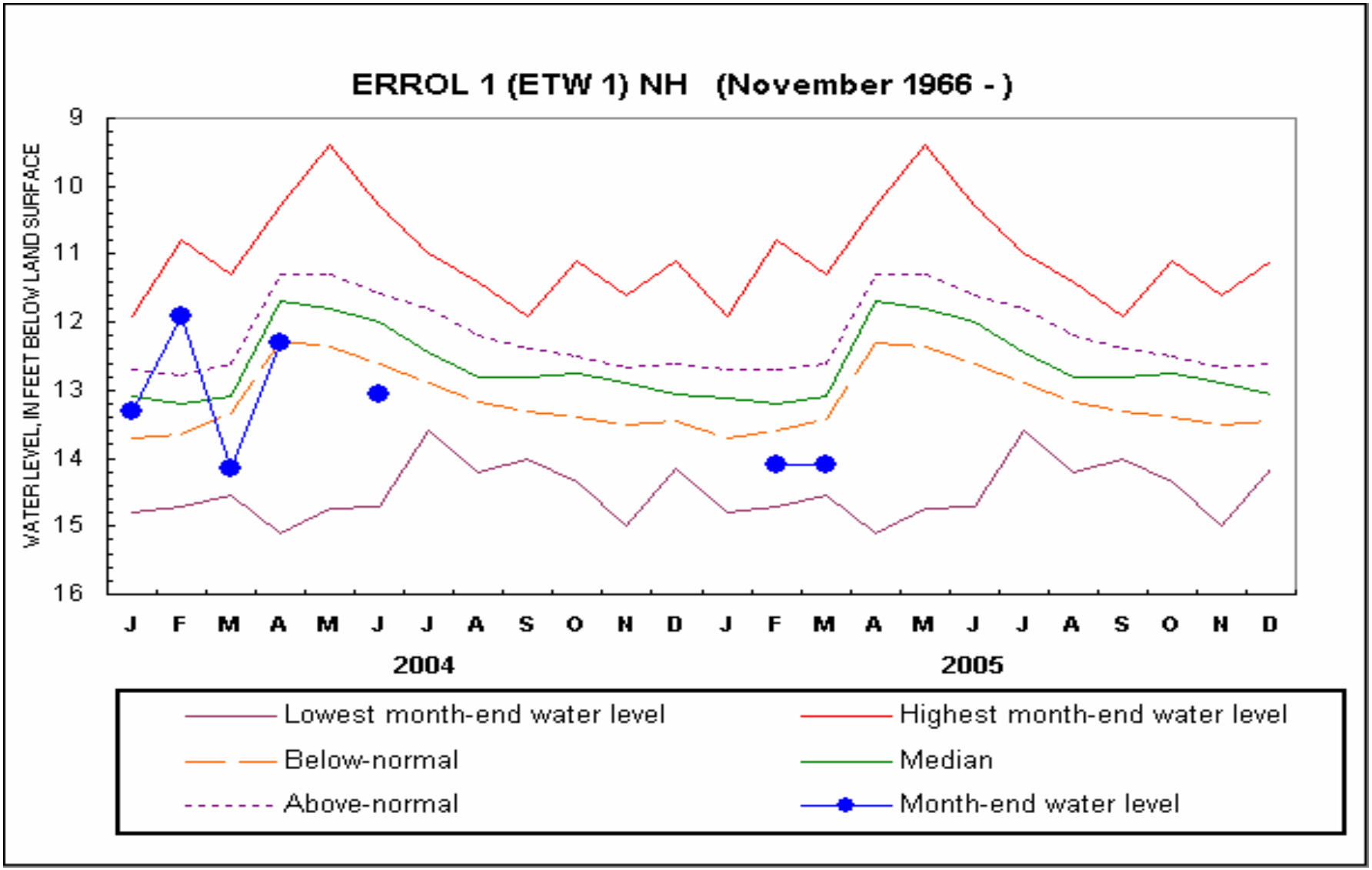

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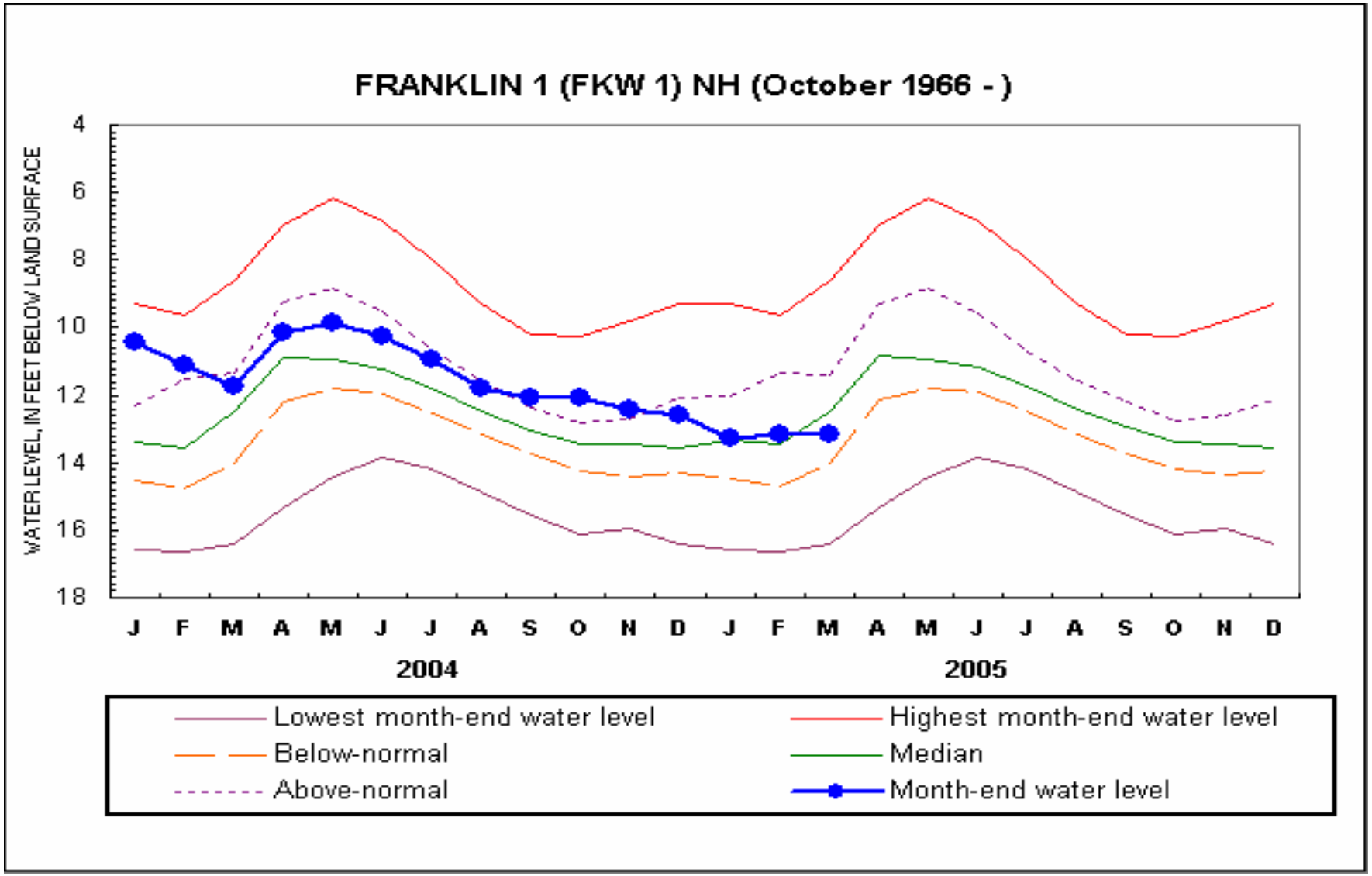

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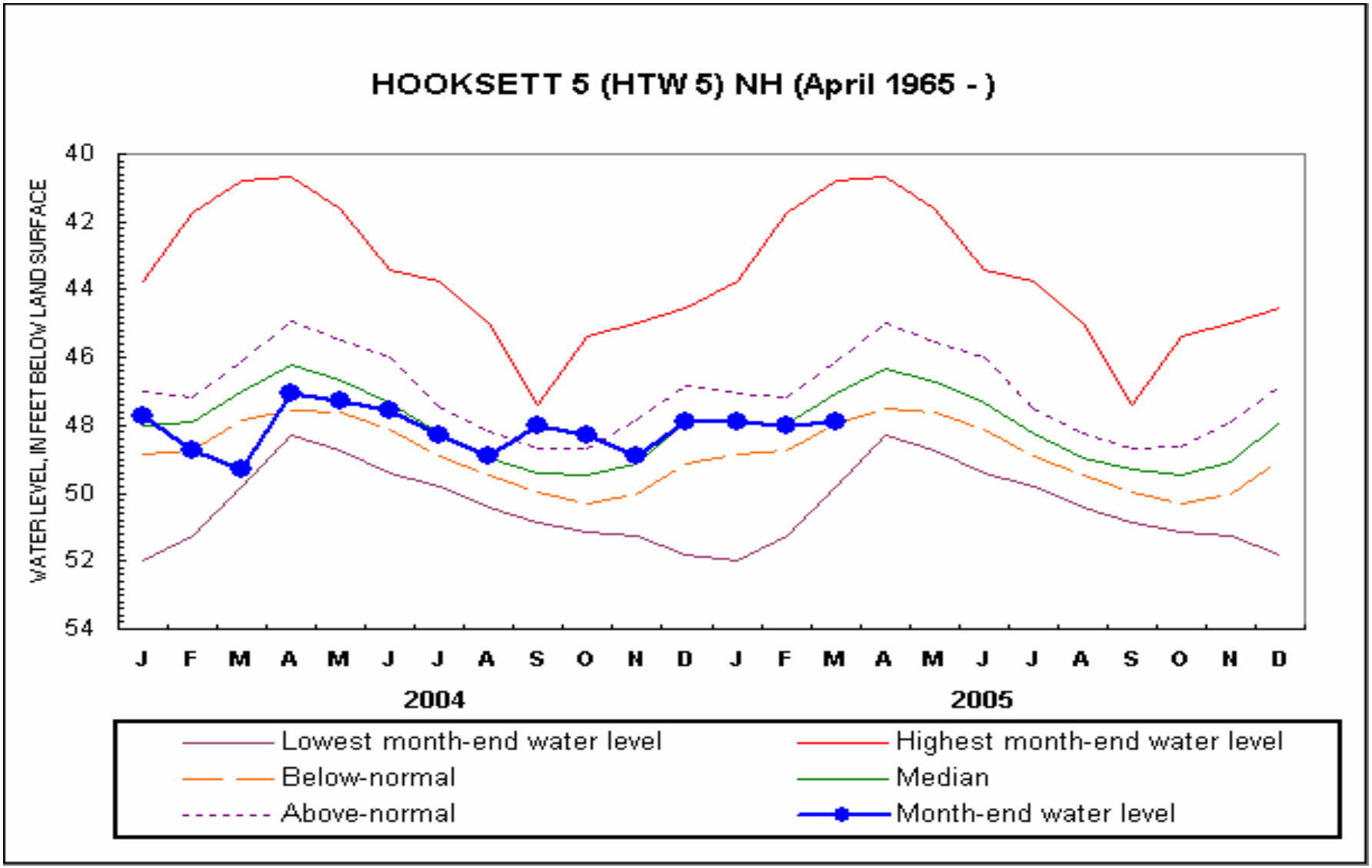

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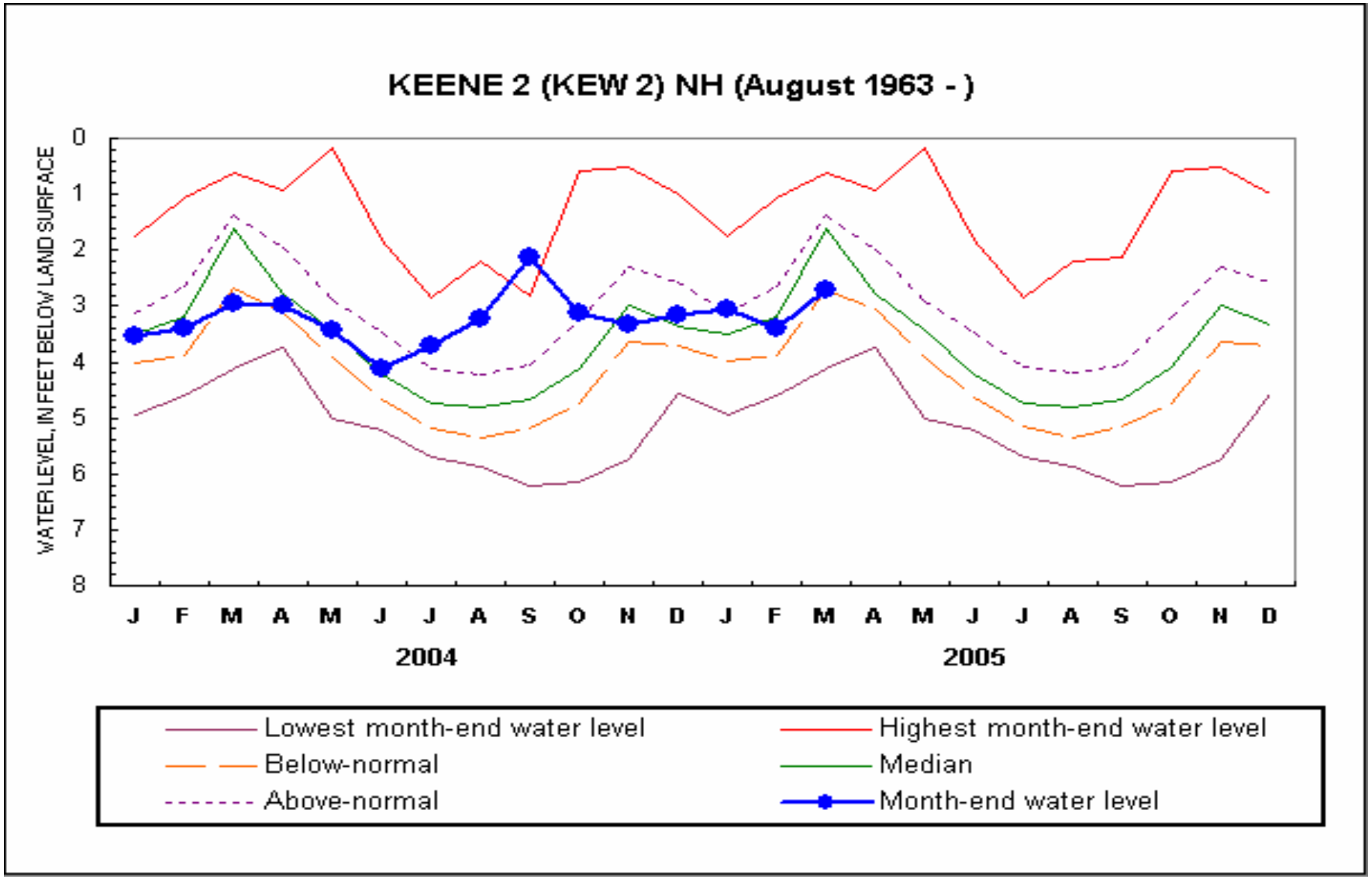

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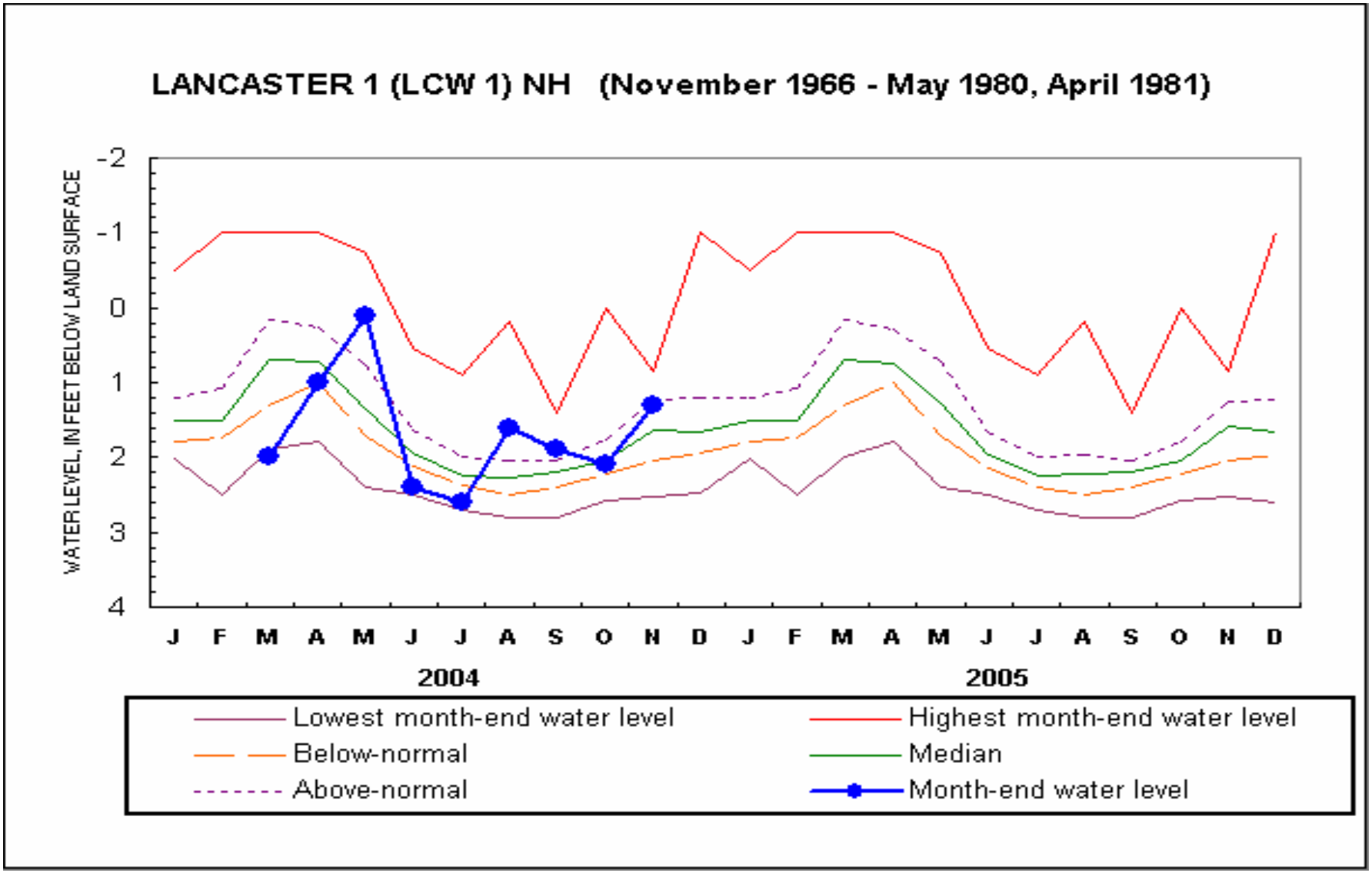

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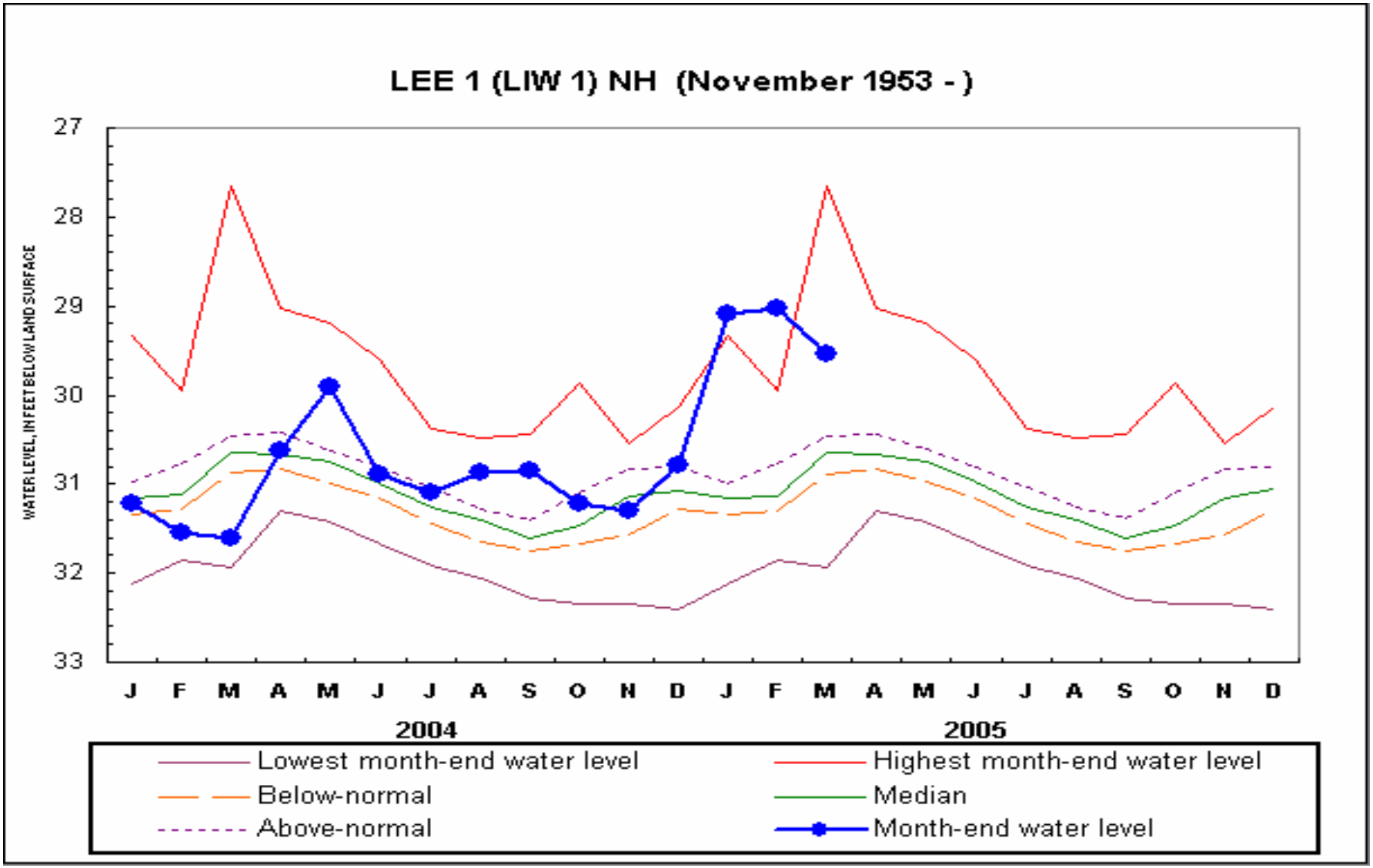

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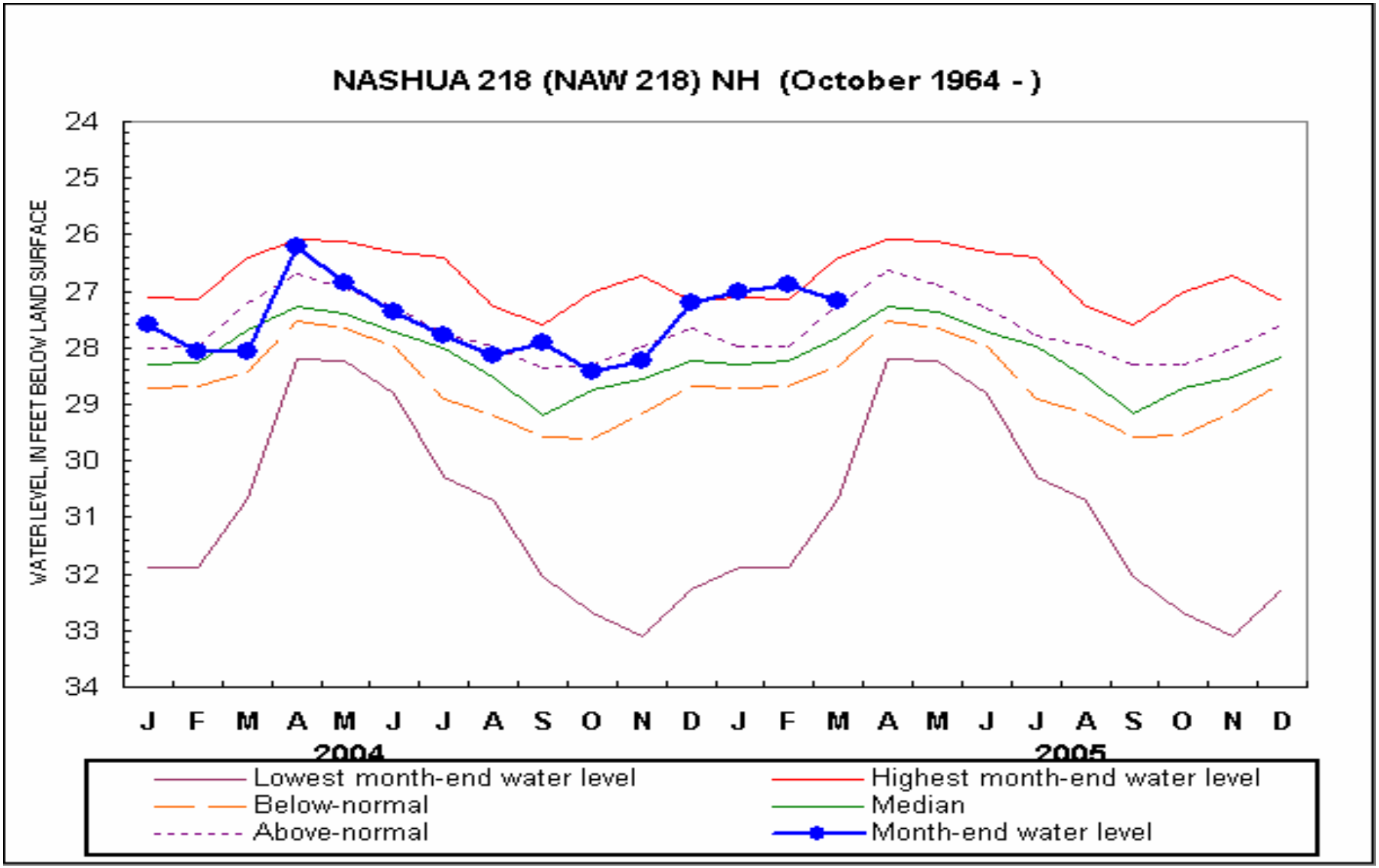

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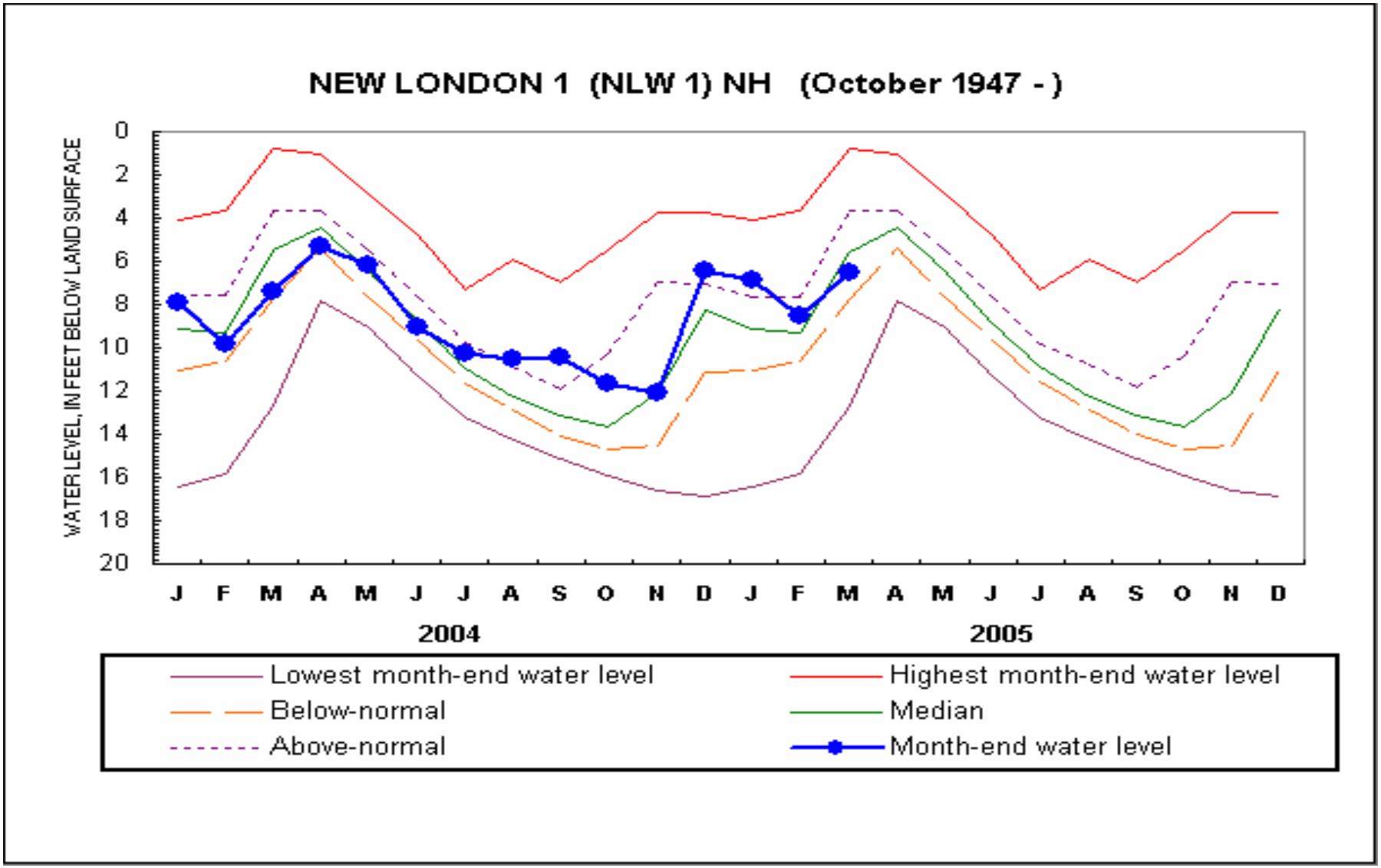

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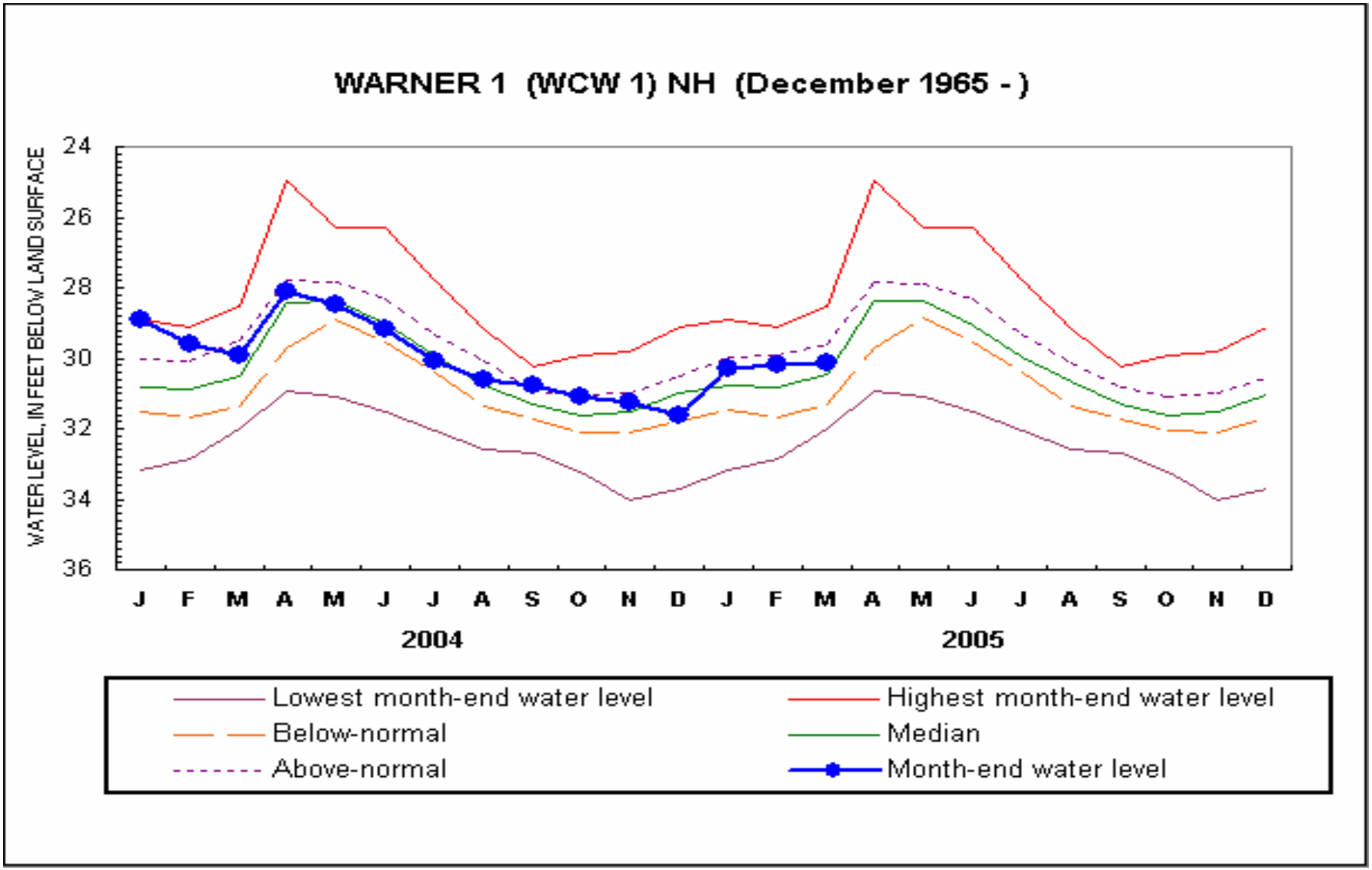

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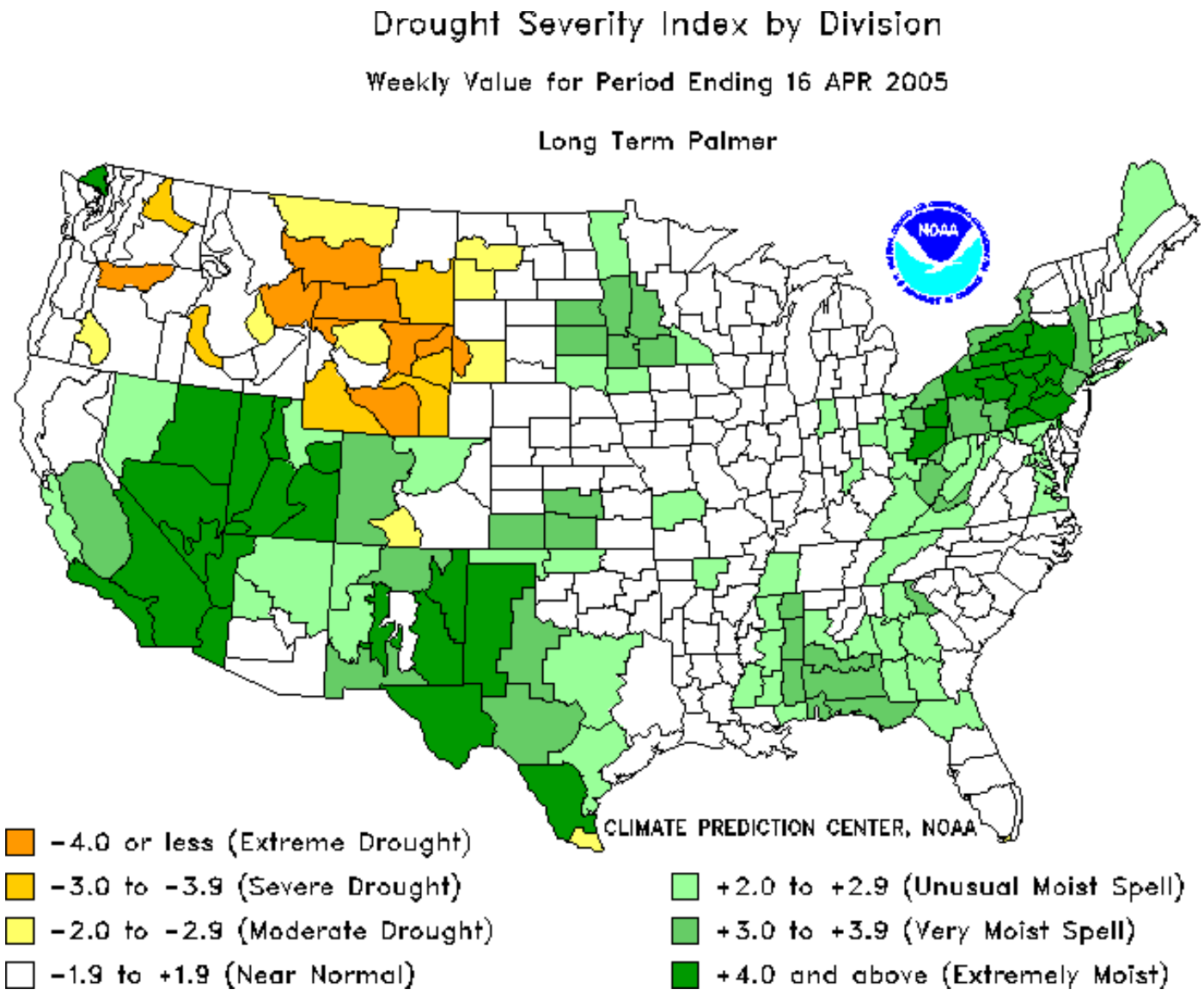
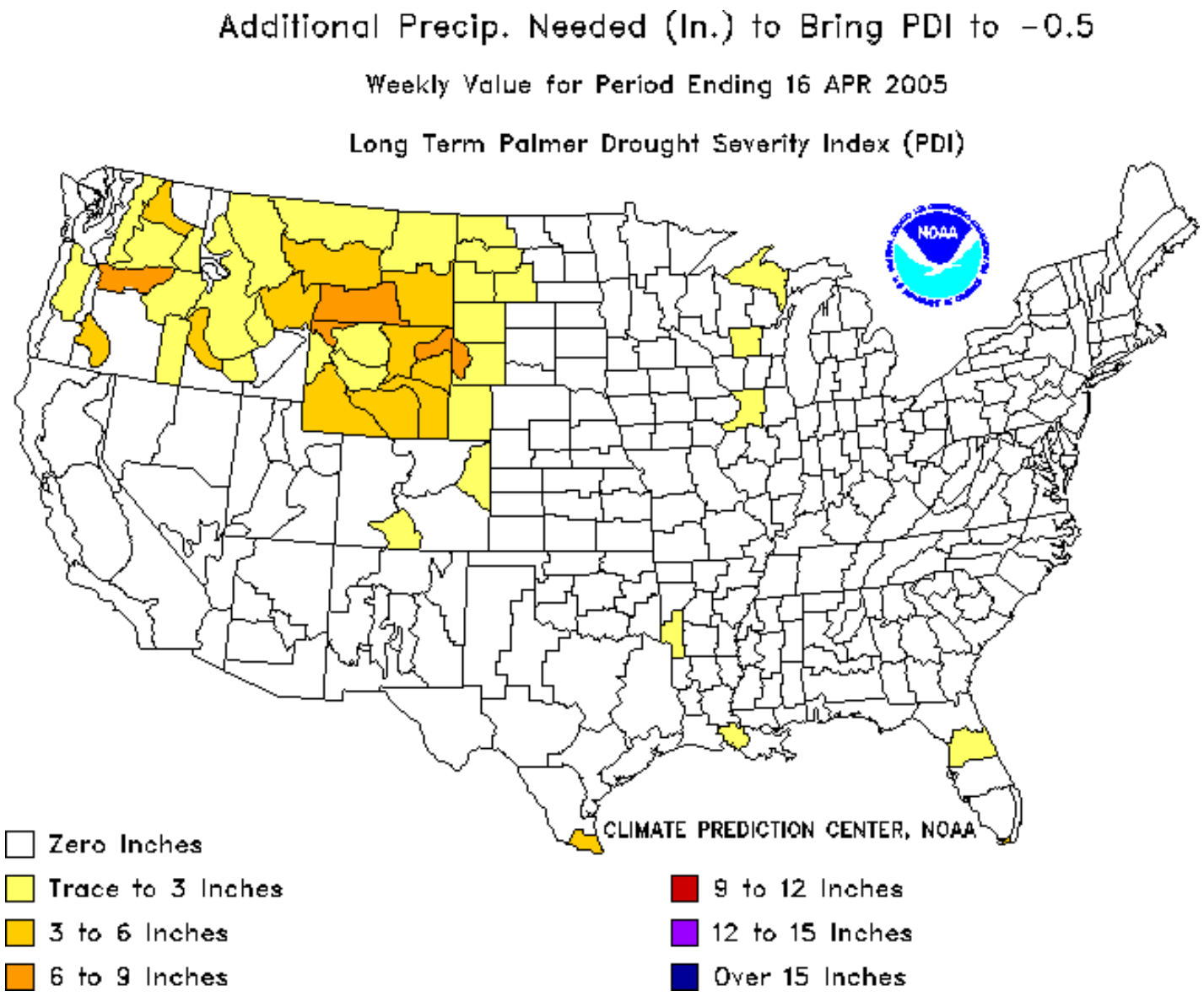


THE PALMER DROUGHT SEVERITY INDEX

The Palmer Index uses temperature and rainfall information in a formula to determine dryness. The advantage of the Palmer Index is that it is standardized to local climate.



This is the amount of rainfall required in a week's time to bring the index back to zero inches required.